

FCC Certifications



This Equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received; including interference that may cause undesired operation.

CE Mark Warning



This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class B for ITE, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

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Introduction

Powerful and Easy

Easily fit your data sharing and storage demand, this Personal Server features with compact, economical and powerful NAS (Network Attached Storage), especially suitable for your small business, SOHO (Small Office or Home Office) or personal requirement and it's highly integrated to work as your Web Server, FTP server. In addition to those fascinating storage and sharing features, the embedded BitTorrent client also brings you a terrific performance on downloading your favorite Multimedia!!

Smart Wizard

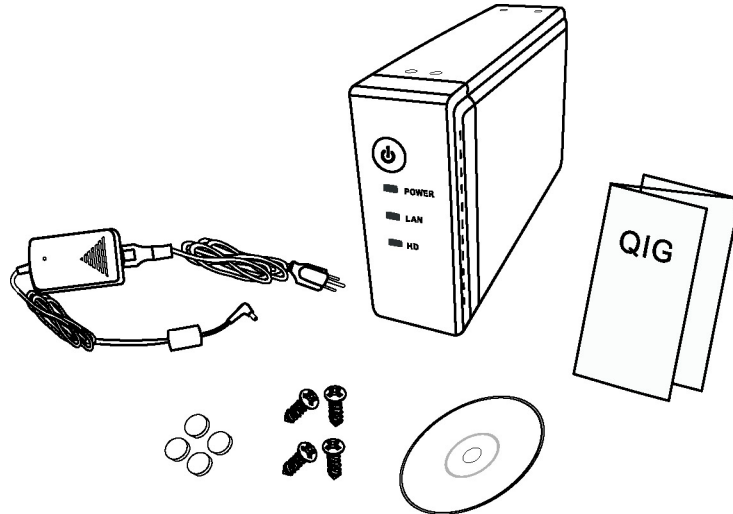
Not acquainted with Hi-tech stuff? Got exhausted to deal with those annoying settings? Take a try on Personal Server! The three powerful auto installation features, **HD Auto detection**, **Pre-defined User Accounts**, and **Auto Networking Setting**, make the procedure to install and use the Personal Server a piece of cake! All you have to do is connect your HD to LAN and turn it on. Now, you've been ready to enjoy the time with the Personal Server with our setup Wizard!

Key Features

- Provides one 10/100Mbps Ethernet port (Auto MDI/MDIX supported) for network connection
- WEB-based User Interface (UI) for easy configuration
- Supports ATA/ATAPI-6 HD
- Supports all 3.5" IDE HD up to 250GB with EXT3 file format.
- Built-in FTP server for FTP client to transfer files conveniently.
- Built-in BitTorrent Client for users to download files
- Built-in Web server which supports one website construction.
- Provide website templates for easy website build-up.
- Support Unicode to be compatible with fonts of different language.
- Support Hard Disk replaceable feature
- Auto Networking Configuration Utility for Windows OS
- Supports CIFS/SMB for Microsoft Network remote users easily retrieve files by using "My Neighborhood"
- Compatible with Windows 95 /98 /98SE /ME /XP /2000 /NT4.0/Linux/ MAC OS
- Provides one reset to factory default button.
- Support firmware update from Web-based User Interface (UI)
- Provide three Pre-defined User levels, all / power / guest for accessing HD.
- Provides five online users of Samba (Concurrently connected) and five online FTP users (Concurrently connected)
- Auto-detect HD for new installed HD (Only for the 1st EXT3 partition)
- Provides Password security for WEB management & HD Access
- FCC, CE, VCCI Class B

Unpacking Information

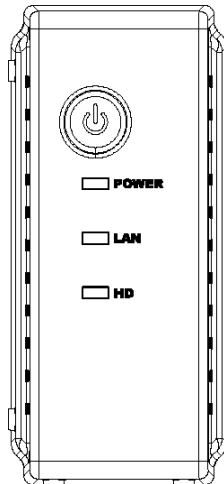
Thank you for purchasing this product. Before you move on, please verify your package contains the following items:



1. One Personal Server (Hard Disk not Included)
2. One Power adapter
3. One QIG
4. One Utility/Manual CD-ROM
5. Rubber foot x 4
6. Screws for HD Fastening x 4

Hardware Guide

Front Panel



Power Button

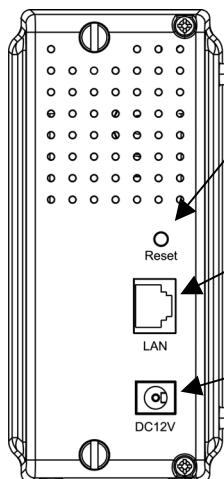
To activate the Personal Server, Press this Power button after connecting the device to an appropriate power outlet with the provided power cord.

To power off, press the button for two seconds until Power LED start to blink.

LEDs Definition

LED	Status	
Power	ON /OFF	Green/Dark
	Boot/Shutdown:	Blinking
LAN	Ethernet Connected	Green
	Ethernet Not Connected	Dark
	Ethernet Data transferring	Blinking
HD	Data Transfer	Amber/Blinking

Rear Panel



Reset Button

To restore the default setting, press the button to activate

LAN Port

Connected with the RJ-45 cable

Power Supply

External power adapter
DC 12V/3A.

IP Protocol Setup

Configuring the network protocols

For users to launch the device easily, we provide a convenient Express Setup Wizard, which detects the Personal Server automatically in your LAN. To function the Wizard correctly, please make sure that your PC **DOES NOT** obtain IP address automatically or the Wizard will not be able to initialize the setup procedure according to your network settings. To solve the problem, you can either specify your PC with static IP or connect your PC to a router with DHCP server embedded.

The following chapter indicates how to configure an IP address for your PC. Users that have got a specified IP, please skip this chapter to “Hard Disk Installation” for the next step.

How to configure the TCP/IP network protocol of your PC

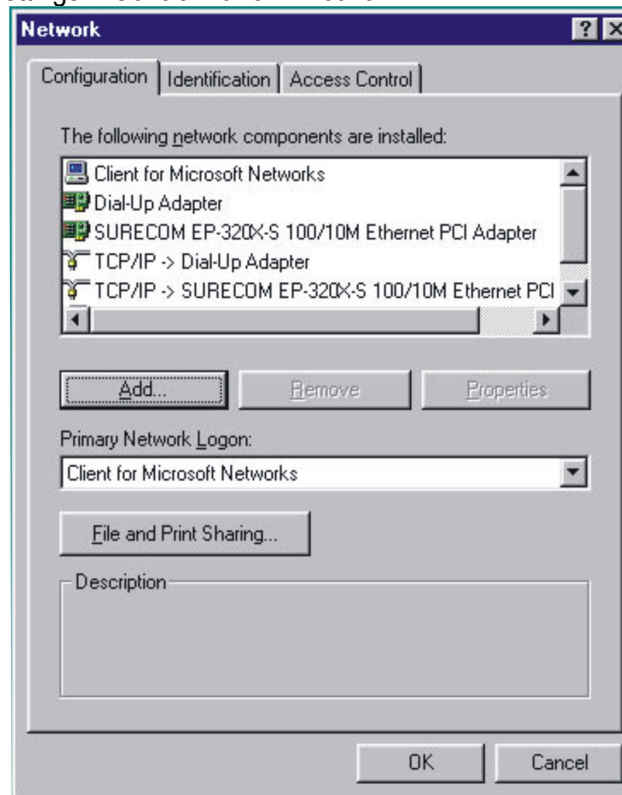
Before the following IP protocol settings, you have to get an IP address in advance. If you don't have any IP address or you are not going to access the Personal Server via our Express Setup Wizard for your desire, please choose an IP between **192.168.1.2~255** as your IP address. Please **DO NOT** choose 192.168.1.1 for the IP address (192.168.1.1) has been set as the default for the network device.

In the following TCP/IP configuration guide, the IP address “192.168.1.2 ” is assumed to be your IP address.

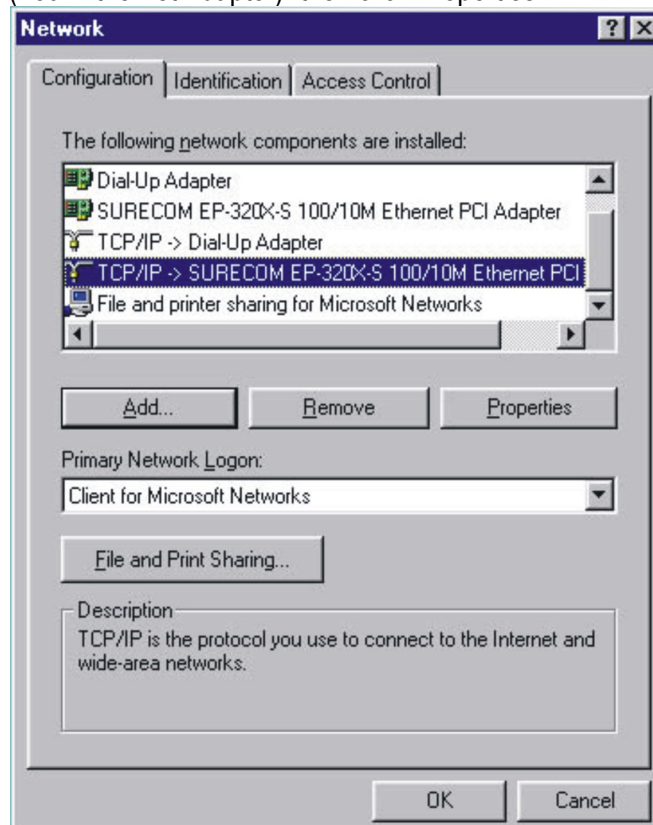
How to configure the TCP/IP network protocol

Windows 98/Me:

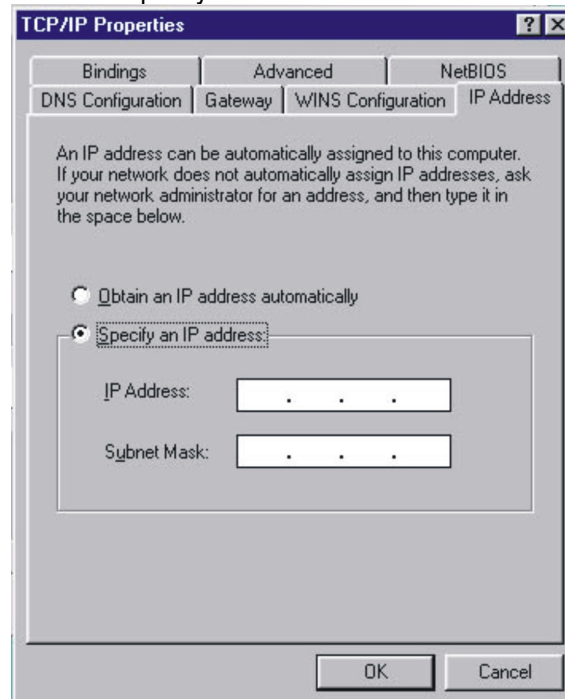
1. Click on Start-> Settings-> Control Panel-> Network.



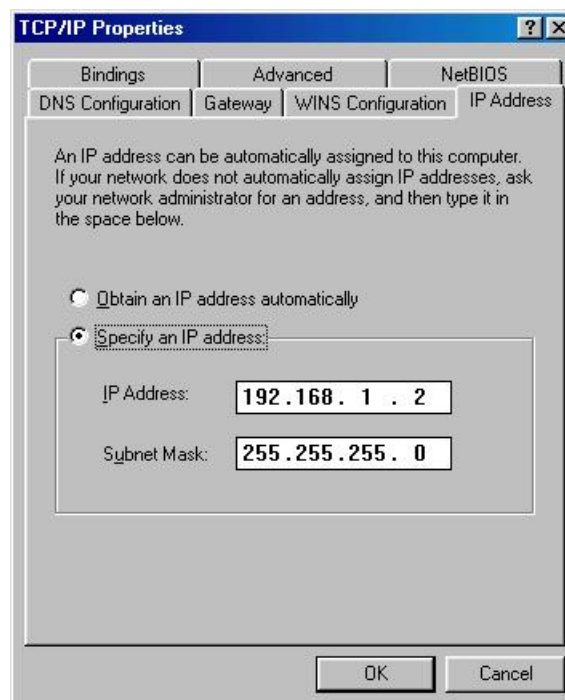
2. Click "TCP/IP -> (Your Ethernet Adaptor)" then click Properties.



3. Click IP Address and click on "Specify an IP Address".



4. Type in the IP address. State the subnet mask to be 255.255.255.0.

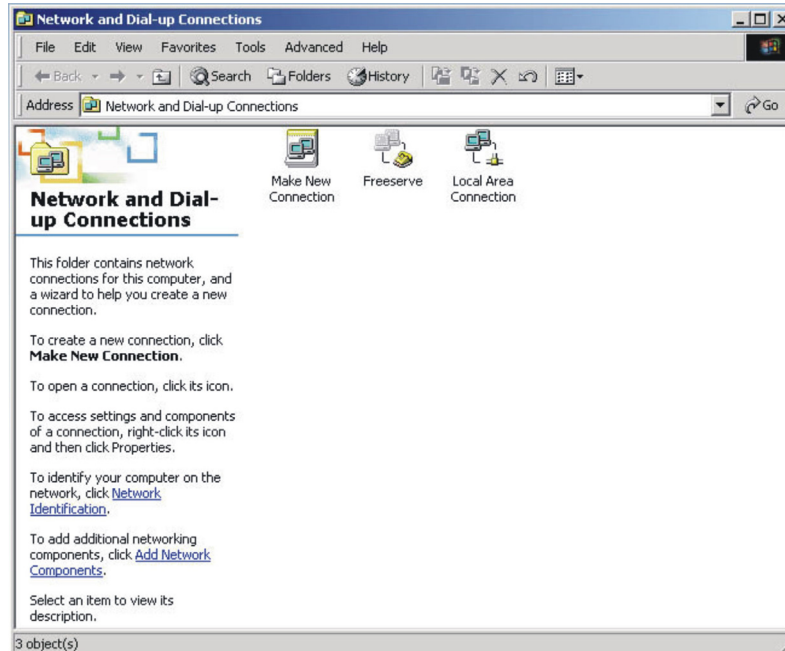


5. Click OK and OK. Now, the system may ask for your Windows disc, follow the steps then restart your computer.

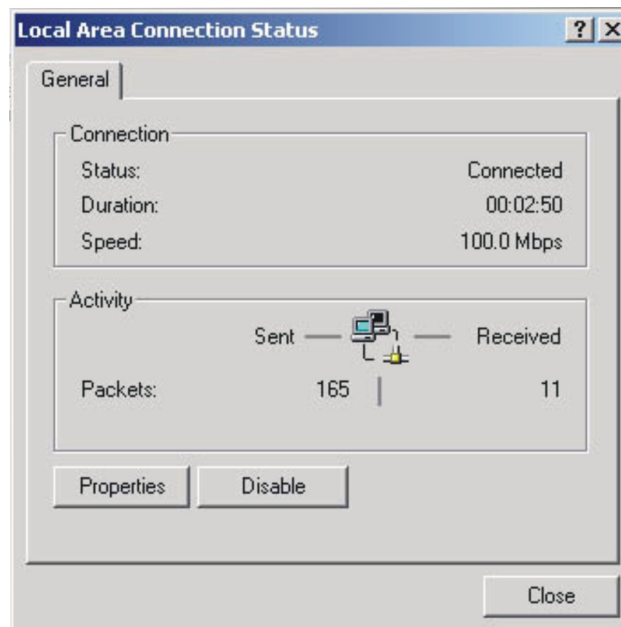
How to configure the TCP/IP network protocol

Windows 2000:

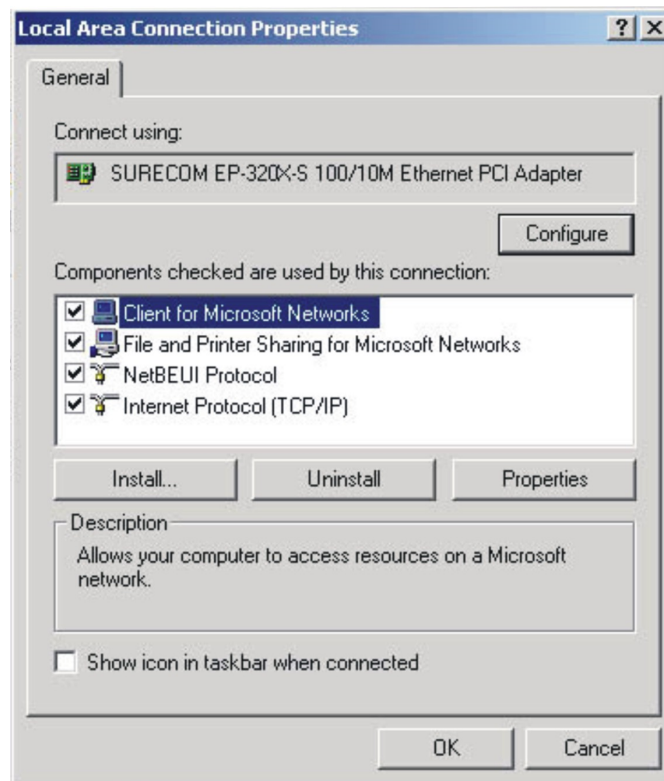
1. Click on Start-> Settings-> Network and dial-up connections.



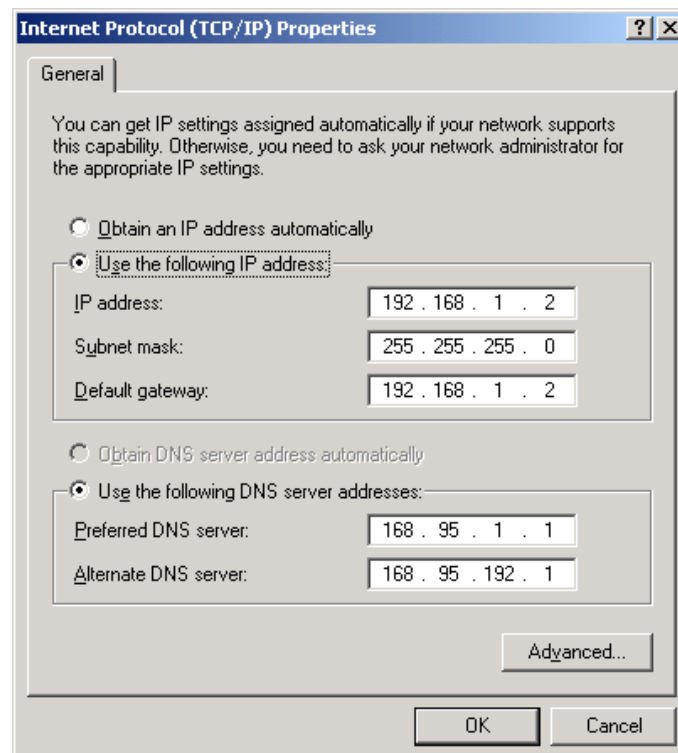
2. Choose local area Connection and click Properties.



3. Click on Internet protocol (TCP/IP) then click properties.



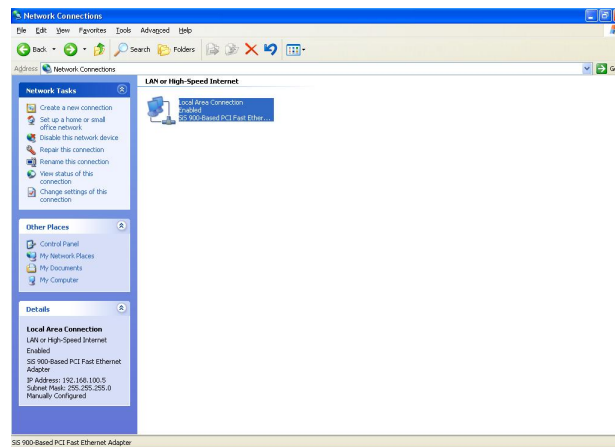
5. Select "use the following IP address".
State the subnet mask to be 255.255.255.0.
Click OK and OK then restart your computer.



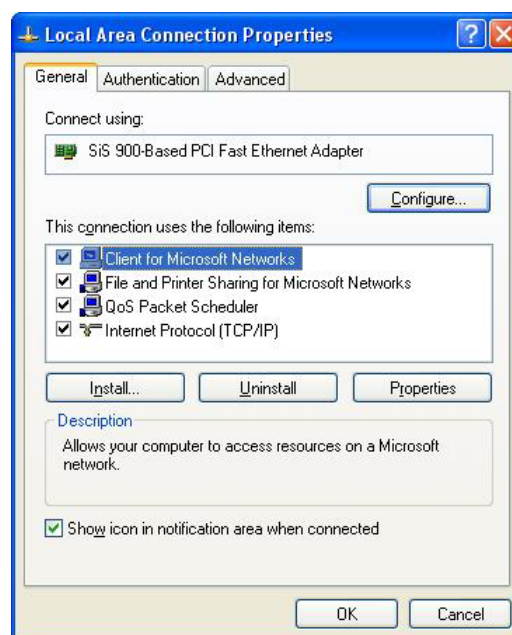
How to configure the TCP/IP network protocol

Windows XP:

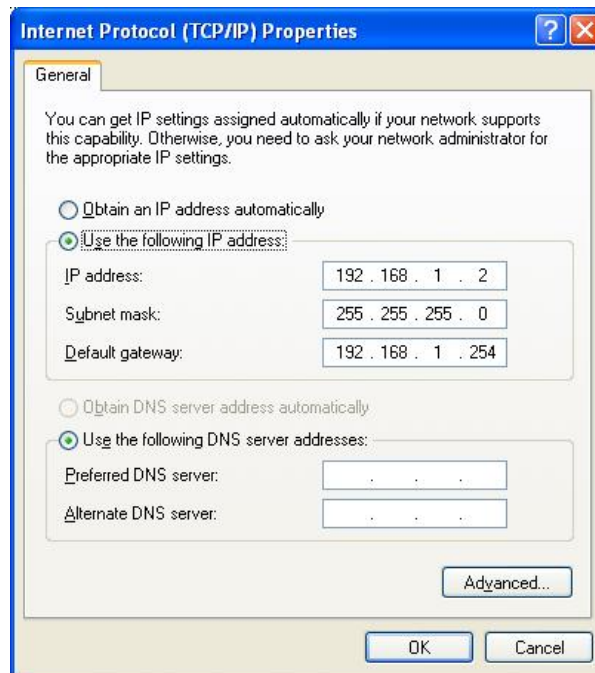
1. If you are in Classic Start menu view, click Start->Settings->Control Panel->Network Connections.
If you are in Start menu view, click Start->Control Panel->Network Connections.
2. Double click "Local Area Connection"



3. Choose Internet Protocol (TCP/IP) then click Properties and then click 'Use the following IP Address'.



4. Key in the IP Address that you chose earlier. The subnet mask is entered automatically on Windows XP. Click OK.

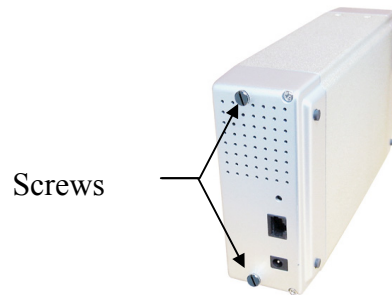


Now, the IP setting of your PC is completed. Please refer to the following guide to finish the Hard Disk installation and Express setup wizard.

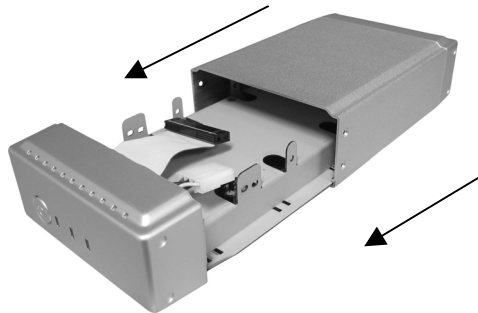
Hard Disk Installation

Install a hard disk drive in the Personal Server.

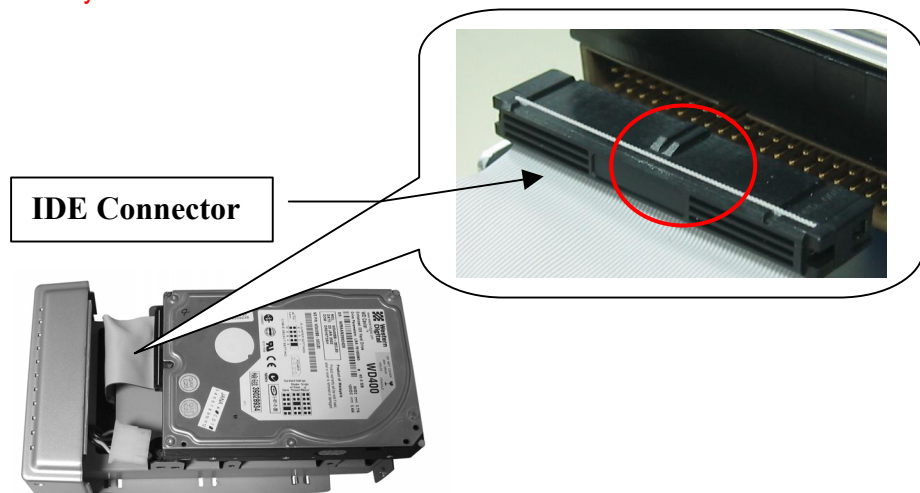
1. Loosen the two screws on the rear panel with a screwdriver.



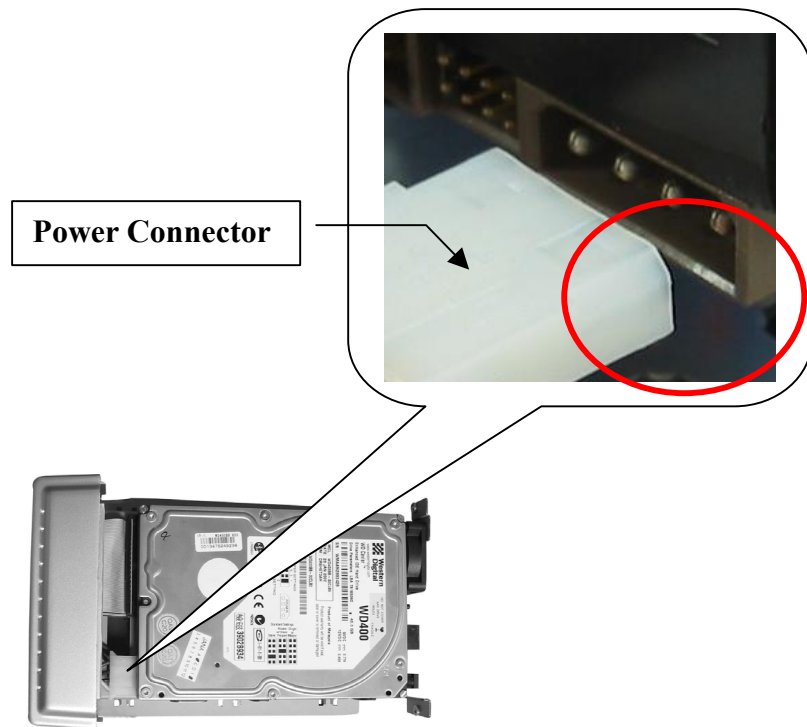
2. Grab the front panel and pull the foundation out of the case.



3. Please make sure that the HD jumper should be located for **Master** operation mode. Note that the jumper locations differ from each HD; for the correct Jumper settings, please refer to your Hard Disk manual for detail information.
4. Insert the IDE connector into the IDE socket of the Hard Disk. Make sure the pin 1 on the cable is connected to pin 1 on the HD socket. Pin 1 is the red or pink strip on the edge of an IDE cable. The IDE cable connector is designed to fit the shape of most HD connectors in one way.



5. Push the power connector into the power socket of HD that shown below. The power cable is designed to go in one way, please check the shape for the correct installation.



6. Secure the Hard Disk with the provided screws
7. Push the Hard disk and HD holder back into the case and secure it with the two screws

Quick Setup Wizard

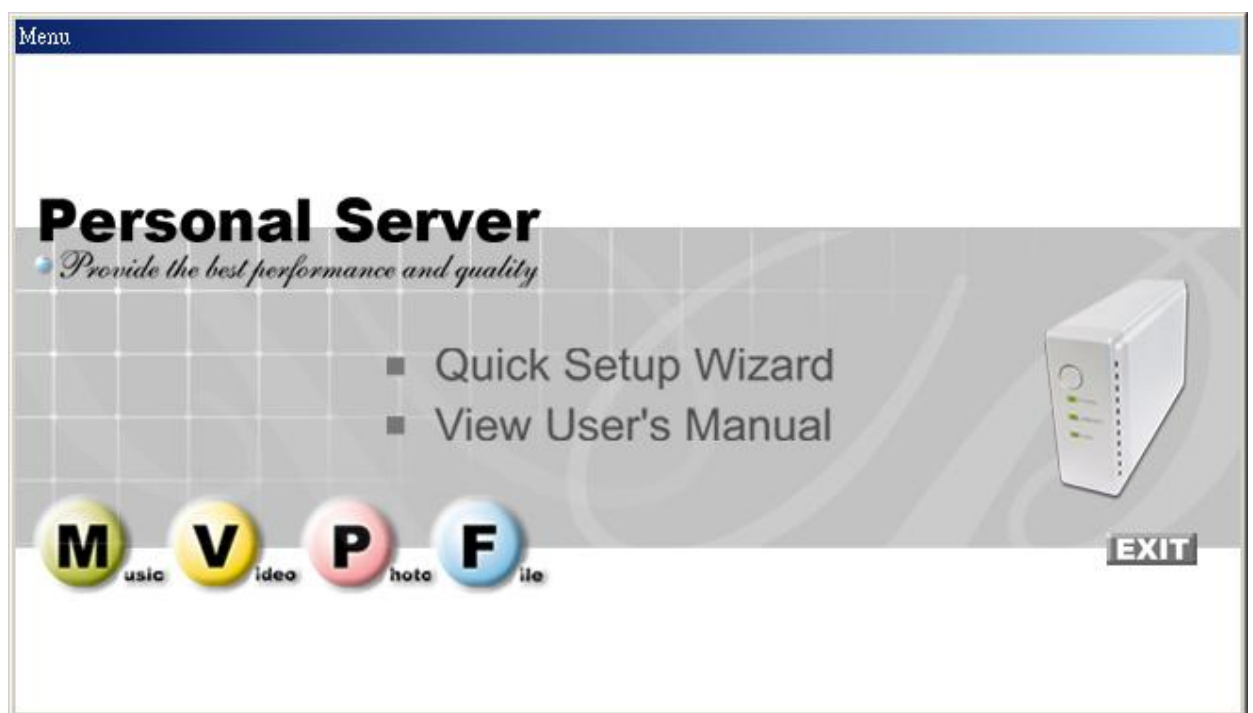
The Quick Setup Wizard provides an installation guide from cable attaching to the initialization of management. Please follow up the steps below to proceed.

Note: If you've run the wizard before and there is currently any existing shortcut for accessing or managing the device, please delete them to run the Quick Setup Wizard successfully.

Starting the Express Setup Wizard:

Insert the provided utility CD into your CD-ROM. The main menu pops up automatically. You may read the user's manual by clicking "View User's Manual" or start the Setup Wizard by clicking "Quick Setup Wizard"

Note: If the auto-run program is not activated, please click on "My Computer" → "CD-Drive" then click the AUTORUN icon to start the main menu.

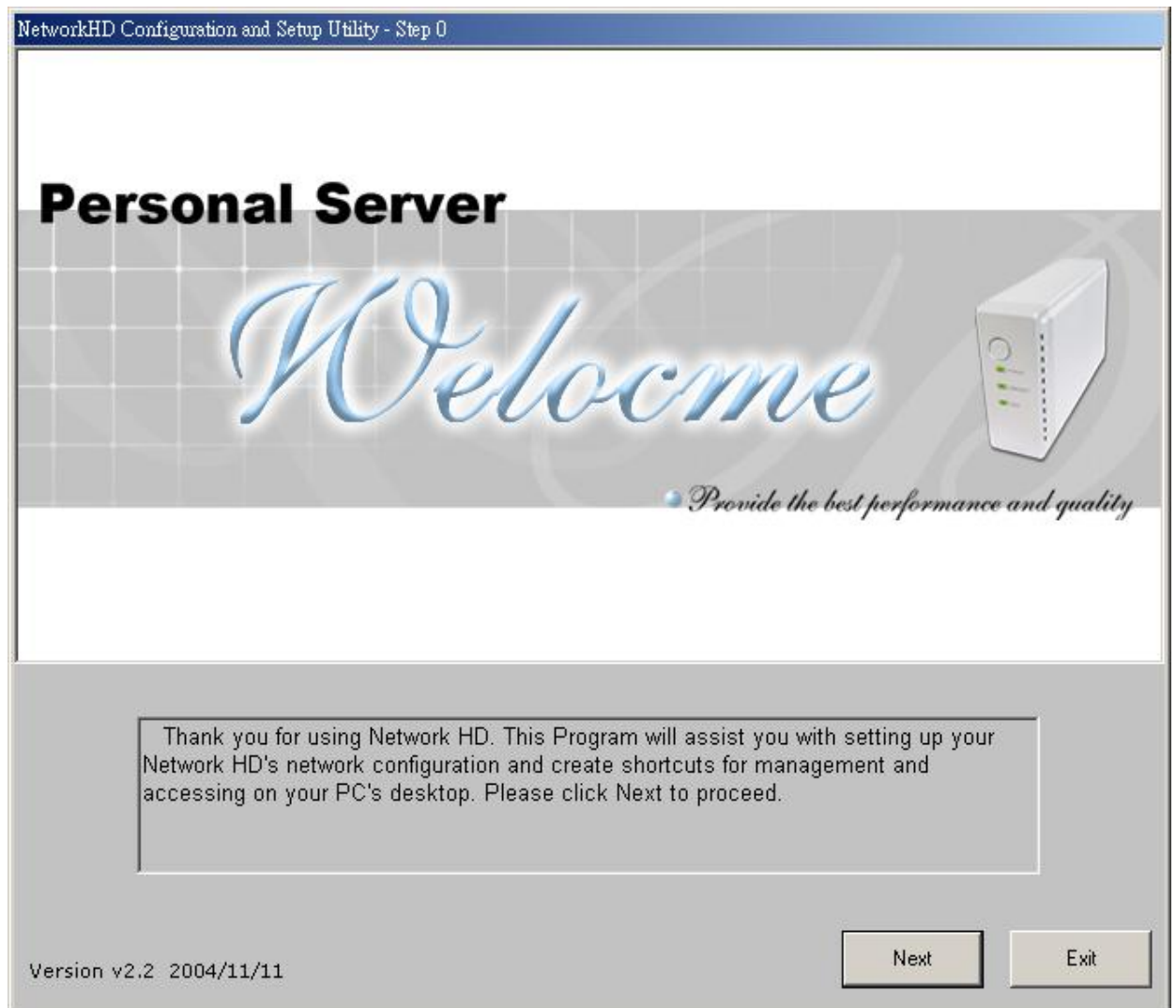


Step1: Activate The Utility software

Click " Quick Setup Wizard" to activate the setup utility.

The startup Manu:

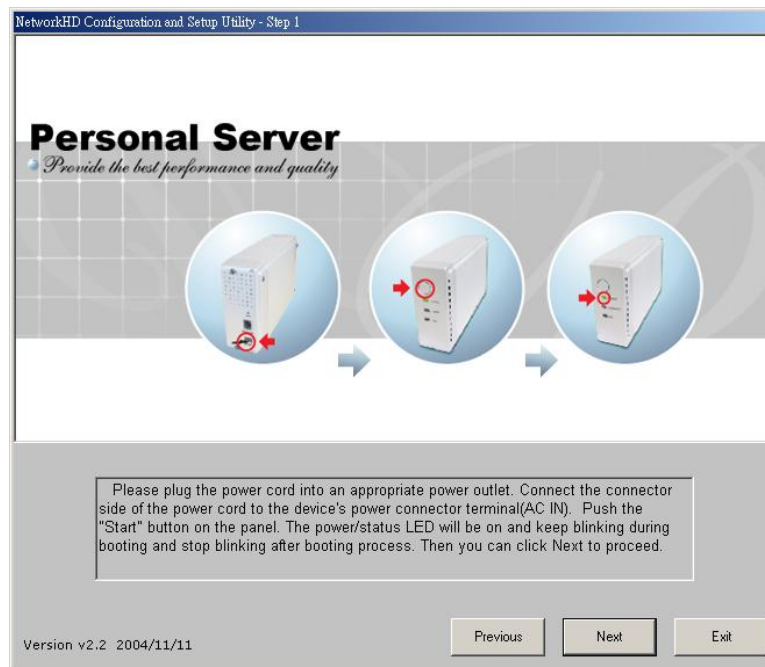
- Please Click "Next" to continue.



Welcome page

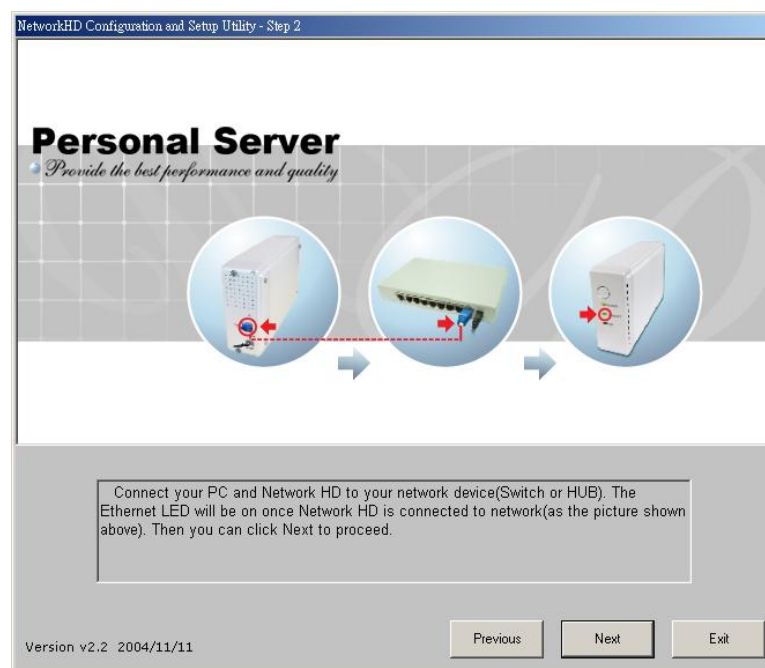
Step2: Connect the power cord and network cable.

- Connect the connector side of the power cord to the AC socket located on the rear panel.
- Connect the power cord to an appropriate outlet.
- Press the power button to activate the Personal Server and confirm that the device is well powered by examining the LEDs on the front panel.



Power On

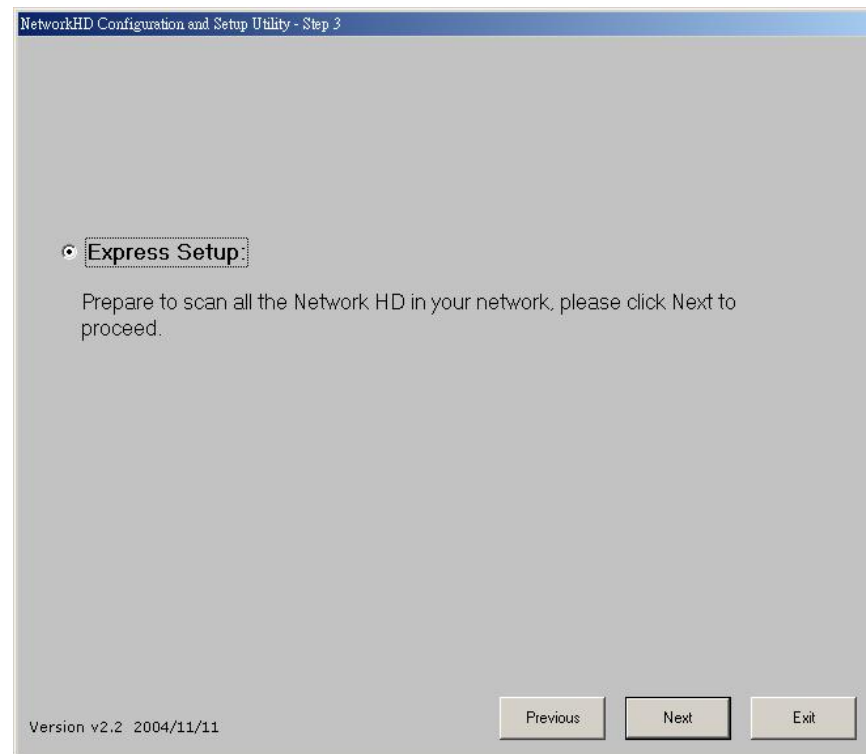
- Connect the Personal Server and PC/Switch with Ethernet RJ-45 cable.
- Ensure that the LAN LED lights green



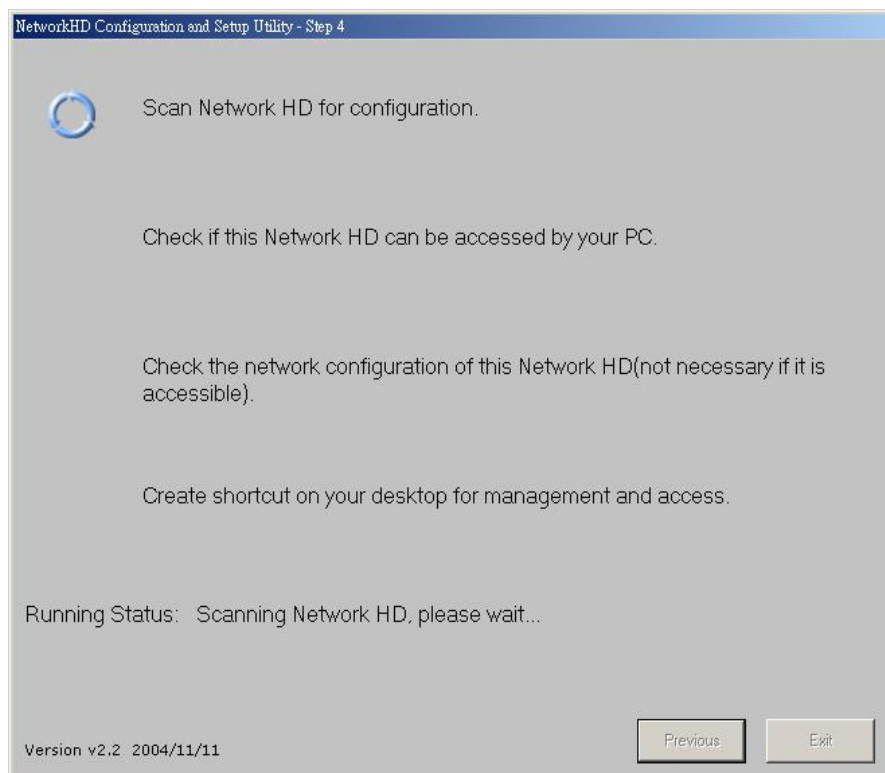
LAN Connection

Step3: Scan network HD in your network

- Click Next to proceed the Personal Server scanning.



Click next to proceed the Personal Server scanning



HD scanning, please wait...

- The Setup Wizard will take different actions according to the status of the Personal Server:

Reachable Status		The Setup Wizard is going to...
NO	The PC that runs the Setup Wizard currently cannot access this Personal Server with the present network settings.	1.Adjust the network settings of the Personal Server to make it to be accessible by the PC. 2.Create two shortcuts to access and setup the Personal Server
YES	The PC that runs the Setup Wizard currently can access this Personal Server with the present network settings.	Create two shortcuts to access and setup the Personal Server

No.	Reachable?	Host Name	IP Address	HD Name	HD Capacity	HD Availab
0	Yes	PM_Sharing	10.10.4.20	HDS722512VLAT20	123.5GB	120.57GB
1	Yes	NH-210	10.10.10.252	WDC WD800JB-00FMA0	80GB	76.92GB
2	No	I-Drive	192.168.1.1	QUANTUM FIREBALLct10.10	10.3GB	9.86GB
3	Yes	h999	10.10.14.144	IBM-DJNA-370910	9.1GB	8.9GB
4	Yes	I-Drive	10.10.13.209	QUANTUM FIREBALL CX13.0A	13GB	12.51GB
5	Yes	I-Drive	10.10.13.238	Maxtor 6Y120P0	122.9GB	118.18GB

Please select the Network HD you want to configure and click Next to continue.

Version v2.2 2004/11/11

NextExit

HD Found

NetworkHD Configuration and Setup Utility - Config

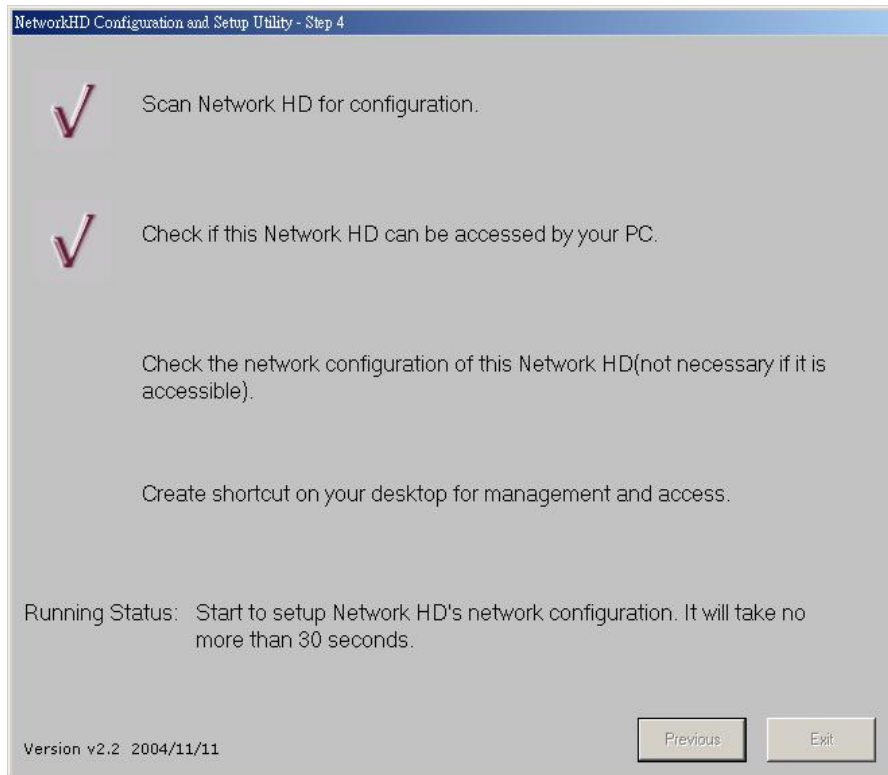
User Name:

Password:

Note: Please read the manual for instruction.
The factory default Username and Password for management are "admin" in lower case.

Next Cancel

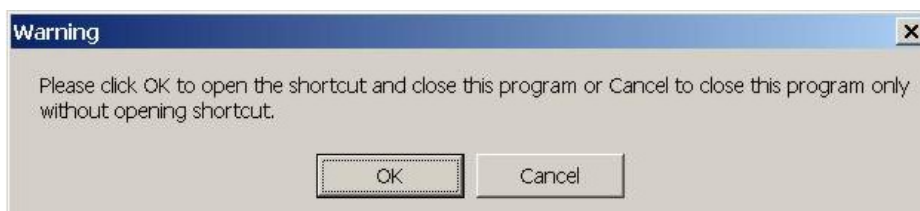
User name/Password Reminder



Setting....



Please note that how the two shortcuts function. Please refer to next page for further introduction.



Click "OK" to setup your Personal Server by Web-based UI or Click Cancel to Continue.

After the auto installation, there should be two shortcuts created on your desktop.

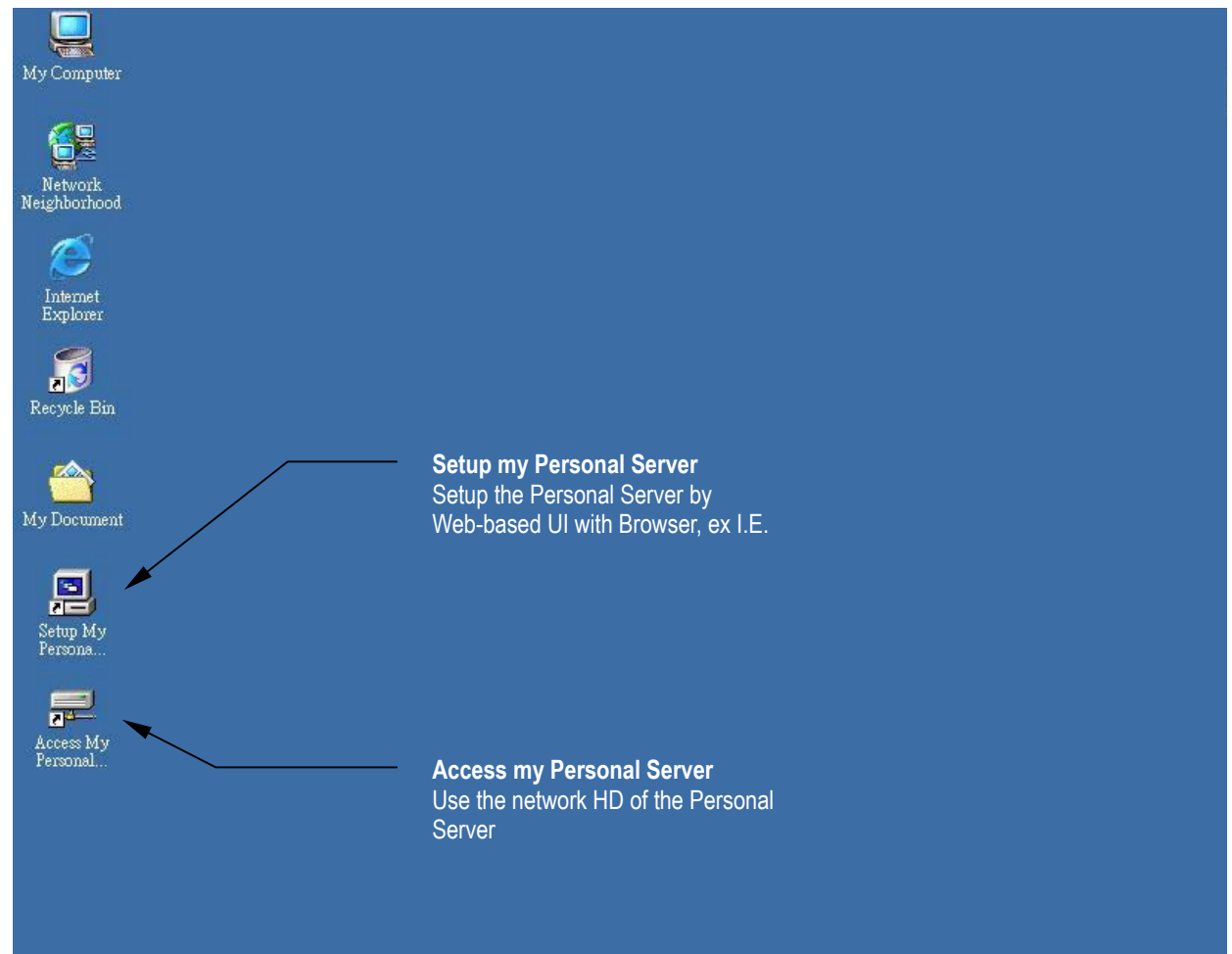
“Setup My Personal Server” is created for users to access the embedded management web pages

“Access My Personal Server” is the Link to access the shared folder in the Personal Server.

Please follow the statement below as the Personal Server accessing guide.

To setup the Personal Server, please refer to the next page for management guide.

Note. Express Setup Wizard will detect your HD content but only for the 1st Partition.

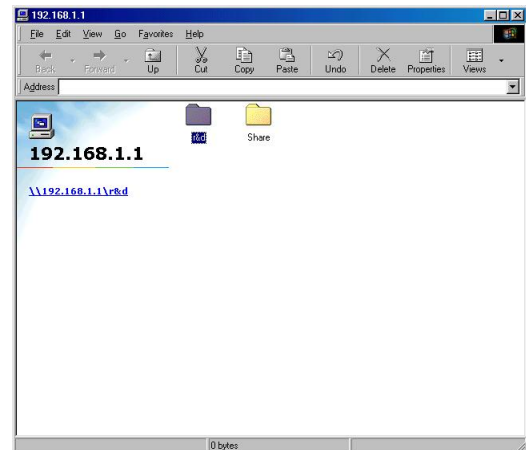
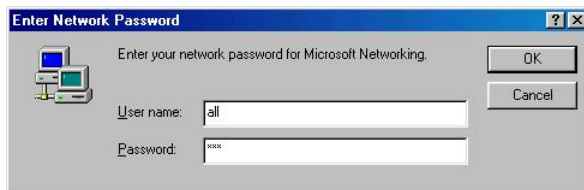


Icons Created

Note: If an unformatted or no hard disk is installed, users will not be able to access the Personal Server by clicking the “Access My Personal Server”. But you will still be able to manage the Personal Server by clicking “Setup my Personal Server”

To Access this HD,

Double click the “Access my Personal Server” icon to access the HD and double click a folder. The authentication window pops up. Please fill in the user name and password to get access to folders. The device provides three default accounts for users to read/writes folders in different authority levels:



- **All**=Read/Write (The account is allowed to Read/Write all the folders in Personal Server)
- **Power**=Read/Write (The account is allowed to Read/Write the “share” Folder only)
- **Guest**=Read Only (The account is allowed to Read the “share” Folder only)

Note:

1. As default, the “Share” folder is created automatically in the Personal Server and can be accessed by any user.
2. Users that would like to use another set of username/ password after getting access to any folder please log off your operation system and log on again.
3. For Windows 95, 98, 98se users, please note that you should add a new user with the username of your operation system. To configure each account including adding new users, changing user name/ password or other properties, please refer to the chapter “Share” in “Management Guide”.

Management Guide

Setup the Personal Server

To configure the Personal Server via your computer with a web browser installed. Please follow up the steps below.

Double click the “Setup my Personal Server” icon on your desktop screen

The Username and Password Required window appears.

- Enter **admin** in the User Name location (default value).
- Enter **admin** in the Password location (default value).
- Click “**OK**” button



Note: If you didn't run the Quick Setup Wizard, you should configure your IP address in the range from 192.168.1.2 to 192.168.1.255. Start your Web browser then type 192.168.1.1 to URL and press enter.

Home Page

The Personal Server is managed via a web-based graphical user interface (GUI) that can be accessed with a standard HTML (HTTP v1.0) compliant browser.

The Home page



The screenshot displays the web-based graphical user interface (GUI) for the Longshine Network HD. The interface features a blue header with the 'LONGSHINE' logo and 'Network HD' text. Below the header is a navigation bar with tabs for 'Home', 'Networking', 'Administration', 'Share', 'FTP', 'P2P', and 'Web Server'. The main content area is divided into two sections: 'Status' and 'Configuration'. The 'Status' section shows a table with fields for Host Name, IP Address, and Version. The 'Configuration' section lists various settings categories with links to their respective configuration pages.

LONGSHINE[®] Network HD

Home Networking Administration Share FTP P2P Web Server

Status

Host Name:	I-Drive
IP Address:	10.10.0.54
Version:	v1.00(07-06-2005)

[Click here for more information...](#)

Configuration

Networking
network setting
→ [Host Name](#) [IP Address](#) [Superuser/Password](#) [IP Filter](#) [MAC Filter](#)

Administration
system setting
→ [Restart System](#) [HD Format](#) [Factory Default Reset](#) [Firmware Upgrade](#)
[System Time](#) [Character Set](#)

Share
users and folders access setting
→ [User Configuration](#) [Folder Configuration](#)

FTP
FTP login setting
→ [FTP Configuration](#)

P2P
P2P setting
→ [BitTorrent Configuration](#) [Download Configuration](#)

WEB Server
WEB Server setting
→ [WEB Server Configuration](#)

Home

Status


Host name: the Identification of the Personal Server shows on "My Neighborhood"

IP-address: the IP address of the Personal Server

Version: the Firmware Version

Configuration

Click the hyper link of each management items to quick link to each management page.



LONGSHINE[®] Network HD

Home Networking Administration Share FTP P2P Web Server

Status

Host Name:	I-Drive
IP Address:	10.10.0.54
Version:	v1.00(07-06-2005)

[Click here for more information...](#)

Configuration

Networking
network setting
→ [Host Name](#) [IP Address](#) [Superuser/Password](#) [IP Filter](#) [MAC Filter](#)

Administration
system setting
→ [Restart System](#) [HD Format](#) [Factory Default Reset](#) [Firmware Upgrade](#)
[System Time](#) [Character Set](#)

Share
users and folders access setting
→ [User Configuration](#) [Folder Configuration](#)

FTP
FTP login setting
→ [FTP Configuration](#)

P2P
P2P setting
→ [BitTorrent Configuration](#) [Download Configuration](#)

WEB Server
WEB Server setting
→ [WEB Server Configuration](#)

Status Detail

To see more info about the Personal Server, such as HD used (%), Up-time, samba users, and FTP users, please click the “Click here for more information...”

- IP Address: The current IP address of the Personal Server.
- HD used (%): the usage percentage of HD (Total amount of HD)
- Up-time: the estimate time that you power the Personal Server on
- Samba Users: the number of members who is currently using the Personal Server
- FTP Users: the number of members who is currently using the Personal Server by FTP client
- Check if the Unicode been loaded in the Personal Server

Note:

1. The Personal Server provides the Maximum five online users of Samba and five online FTP users.
2. Please note that if the Unicode been loaded successfully or there may be some language errors on file name or folder name when accessing to the Personal Server. For instructions of Unicode installation, please refer to “Character Set” under “Administration” category.

Status	
Host Name:	I-Drive
IP Address:	10.10.7.243
HD used(%):	8.04 % (10G)
Up-time:	42 minute
Version:	v1.00(11-08-2004)
Samba Users:	0
FTP Users:	0
Unicode Loaded:	No
Back	

Networking

The Networking management provides users to do the setup of Host Name, IP Address, SuperUser/Password and the IP/MAC filtering function. After setting, the Personal Server will be shown on "My Neighborhood".

Networking

Host Name Setting
Network HD Host Name Setting
IP Address Setting
Network HD IP Address Setting
Superuser/Password Setting
Network HD Superuser/Password Setting
IP Filter
Check if IP address is legal to access through SAMBA and FTP
MAC Filter
Check if MAC address is legal to access through SAMBA and FTP

Host Name

Item	Configuration
Host Name	Identification of the Personal Server shown on your "My Neighborhood"
Work Group	The workgroup this Personal Server is located
Description	Brief description of the Personal Server (EX, IP address, Location etc...)

Networking - Host Name

Notes: 1. Host Name & Work group are limited to 15 characters.
Discription is limited to 48 characters.
2. Space character, control character and " ' " are not allowed.

Host Name:	<input type="text" value="I-Drive"/>
Work Group:	<input type="text" value="WorkGroup"/>
Description:	<input type="text" value="Personal Server"/>

IP address

Item	Configuration
DHCP Enable	Click Yes to enable the Personal Server as a DHCP client. Click No to disable.
IP Address	IP address of the Personal Server
Subnet Mask	The Subnet Mask must be compatible with the other devices on your network
Gateway	Enter the Router or Gateway IP on your network or leave it blank
DNS Server	Please specify the server IP address your ISP provides

Networking - IP Address

Please provide IP Address, Subnet Mask and Gateway.

DHCP Enable:	<input type="radio"/> Yes <input checked="" type="radio"/> No
IP Address:	<input type="text" value="10.10.4.20"/>
Subnet Mask:	<input type="text" value="255.255.0.0"/>
Gateway:	<input type="text" value="10.10.4.254"/>
DNS Server:	<input type="text" value="168.95.1.1"/>

SuperUser/ Password

You can setup the administration User Account/Password in this page. The user name/ password is used to access the Web-based UI to Setup the Personal Server.

Item	Configuration
SuperUser name	Username of the Personal Server administrator to access the Web-based UI
Old Password	Enter your old password here
New Password	Enter the New Password here
Confirm Password	Enter the New Password again to confirm

Networking - Superuser Setting

Please provide superuser name and password from 4 to 16 characters. Regularly change username and password to ensure security.

Superuser name:	<input type="text" value="admin"/>
Old Password:	<input type="password"/>
New Password:	<input type="password"/>
Confirm Password:	<input type="password"/>

IP Filter

The IP Filter functionality provides access management by IP address filtering. There are three modes for configuration:

1. **Disable:** Disable the IP Filter function. All IP addresses are allowed to access the Personal Server.
2. **Allowed:** Setup the IP addresses that are allowed to access the Personal Server. Only the configured IP addresses have the right to access the Personal Server.
3. **Denied:** Setup the IP addresses that are denied to access the Personal Server. The IP addresses that are configured are not allowed to access the Personal Server.

Networking - IP Filter

Check IP if allowed or disallowed to access through SAMBA and FTP.

IP Access Check Denied ▼

IP Address 1	192.168.1.3
IP Address 2	
IP Address 3	
IP Address 4	
IP Address 5	
IP Address 6	
IP Address 7	
IP Address 8	
IP Address 9	
IP Address 10	

Apply Reset Back

MAC Filter

The MAC Filter functionality provides access management by MAC address filtering.

There are three modes for configuration:

1. **Disable:** Disable the MAC Filter function. All MAC addresses are allowed to access the Personal Server.
2. **Allowed:** Setup the MAC addresses that are allowed to access the Personal Server. Only the configured MAC addresses have the right to access the Personal Server.
3. **Denied:** Setup the MAC addresses that are denied to access the Personal Server. The MAC addresses that are configured are not allowed to access the Personal Server.

Networking - MAC Filter

Check if MAC is allowed or disallowed to access through SAMBA and FTP.
MAC format is xx:xx:xx:xx:xx:xx

MAC Access Check Denied ▾

MAC Address 1	D0:E0:7D:CD:C5:5E
MAC Address 2	
MAC Address 3	
MAC Address 4	
MAC Address 5	
MAC Address 6	
MAC Address 7	
MAC Address 8	
MAC Address 9	
MAC Address 10	

Apply Reset Back

Administration

In this page, you can manage the Personal Server with the tools to:

- Restart the system
- Format the Hard disk
- Restore the default setting,
- Update the latest Firmware
- Adjust the system time
- Support the correct code pages in SAMBA for character set

Administration
System Restart
Reboot Network HD
HD Format
Format Network HD
Factory Default Reset
Restore Network HD to factory default configuration
Firmware Upgrade
Upgrade Network HD firmware
System Time
Adjust the system time
Character Set
Support the correct code pages in SAMBA for character set

Restart System

To Restart the Personal Server, Click "Yes" to enact. Don't power off the device before the system restart been completed.

Administration - System Restart
Do you want to restart the system ? <input type="button" value="Yes"/> <input type="button" value="No"/>
It may take several minutes. Please wait and ensure a safe operating environment.
Note: When the reboot is completed, it will return to the "Home" page.

When this message “**HD Unable to use**” is found in “**HD used (%)**”, it represents that your Hard disk is one whole new unformatted Hard disk or your HD is not formed as EXT3 format. You will have to format the HD or replace a HD with EXT3 format

Status	
Host Name:	I-Drive
IP Address:	192.168.1.1
HD used(%):	HD Unable to use
Up-time:	5 minute
Version:	v1.00(10-08-2004)-ext3
Samba Users:	0
FTP Users:	0

Back

Administration - HD Format

Do you want to format HD ?

Yes

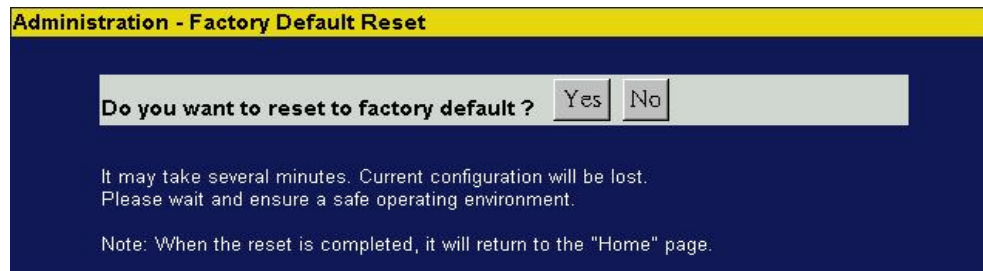
No

It supports only EXT3 and may take several minutes.
Please wait and ensure a safe operating environment.

Note: When the HD format is completed, it will return to the "Home" page.

Factory Default

To restore Personal Server to default configuration, click “Yes” to enact. Don’t power off the device during the process.



Administration - Factory Default Reset

Do you want to reset to factory default ?

It may take several minutes. Current configuration will be lost.
Please wait and ensure a safe operating environment.

Note: When the reset is completed, it will return to the "Home" page.

Firmware update

To upgrade the Firmware,

1. Click Browse...
2. Select the file for Firmware updating.
3. Click Apply

Caution: Don’t power off the device or the device will be damaged.

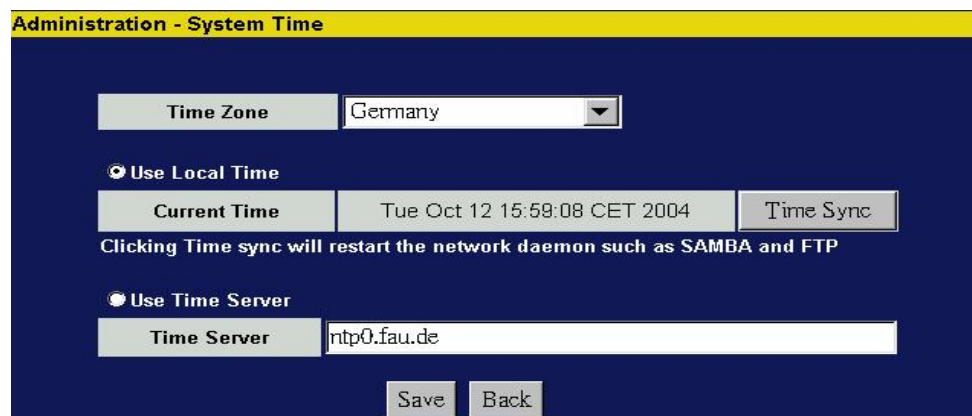


Administration - Firmware Upgrade

Please input the file name with full path:

System Time

1. If your system is not connected with Internet, Click “Time Sync” to synchronize the current time with PC.
2. If your system is connected with Internet, you can use “Time Server” and select “Time Zone” to do time synchronization. Please remember to click “Save”. The correct time will be applied by next boot.



Administration - System Time

Time Zone

☒ **Use Local Time**

Current Time

Clicking Time sync will restart the network daemon such as SAMBA and FTP

☐ **Use Time Server**

Time Server

Character Set

Unicode is working for the device to recognize most fonts around the world thus prevents errors from fonts difference.

To install Unicode, insert the utility CD we provide, click the "Browse" icon, click on your CD-ROM drive, open the folder "Unicode" and select the file "ntx_chset.h", click open to browse the file then click Save to enable.

Note: Please don't delete or do any modification on the file.

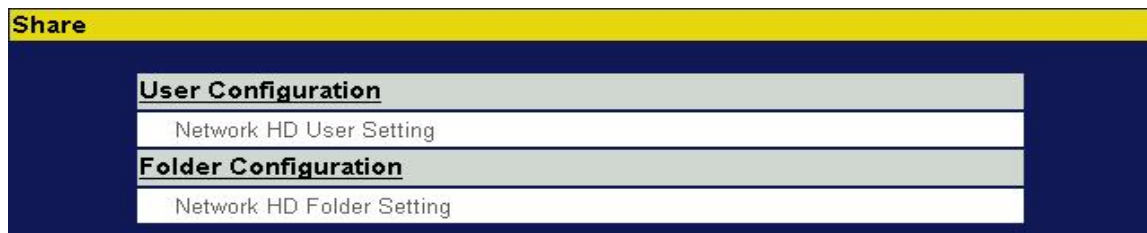


Administration - Character Set

Character Set File:

Share

On Share page, you can manage the Users and Folders on the Personal Server.

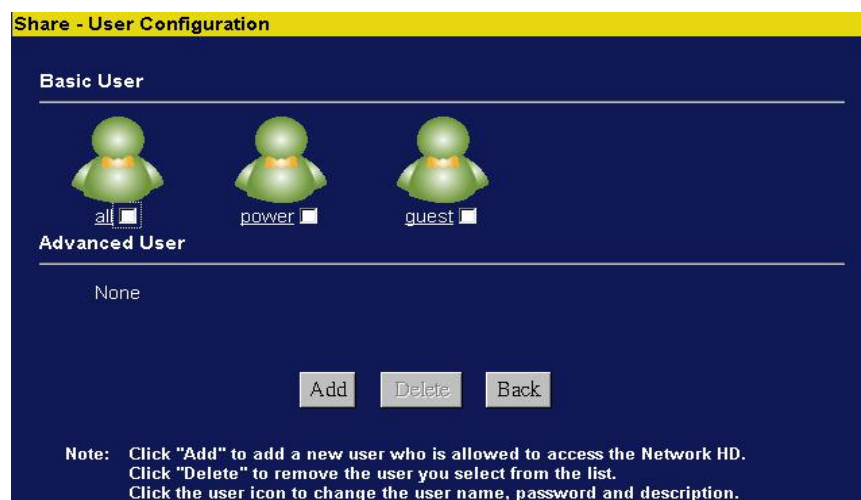


User configuration

On this page, you can add/ remove users or configure the user properties.

Add User

1. Click Add button



2. Enter the User Name, New password, Confirm password, User description

Note:


If you want to add a account for a user that use Windows 95, 98 or 98se, please use their respective username for their operation system as their username for the device.

3. Decide the FTP Access, and Accessed Level. When FTP Access is enabled, those users are allowed to access FTP with their own username and password he owned.

4. Choose the default folder for the user.
5. Click Apply to save

Share - Add User

Notes:
If the user can use FTP at the same time, don't use username as your password.

 User Name:

New Password:

Confirm Password:

User Description:


FTP Access: ☒ Yes ☐ No

Apply Undo Back

Change the User configuration

1. Click the User Name link, for example, all

Share - User - "all" configuration

 all

User Name: [Change Name](#)

New Password:

Confirm Password:

User Description:

FTP Access: ☐ Yes ☒ No

Apply Undo Back

2. Enter the New Password; confirm Password, and Description to change the setting




Delete User

Remove the certain user account to ban the right from accessing the Personal Server

1. Fill in check boxes to select users that you want remove.
2. Click Delete to remove

Share - User Configuration

Basic User

 all ☐  power ☐  guest ☐  sales ☒

Advanced User

None

Add Delete Back

Folder Configuration

On the page, you can add folders, delete folders and setup the authentication of users.

Add Folder

To add a new Folder for file sharing:

1. Click Add to add a new Folder

Share - Folder Configuration

<input type="checkbox"/>		Share	Share to All
--------------------------	---	-----------------------	--------------

Note: Click "Add" to add a new folder.
Click "Delete" to remove the folder you select from the list.
Click the folder icon to change the folder name, description and user authority.

2. Enter the Folder Name and Description

3. Click Apply to Save

Share - Add Folder



	Folder Name:	<input type="text" value="Video"/>
	Folder Description:	<input type="text" value="Video File"/>

Delete Folder

To remove a folder and the files within the folder

1. Select the folder you want to remove by clicking the check box
2. Click Delete to remove

Share - Folder Configuration

<input type="checkbox"/>		Share	Share to All
<input checked="" type="checkbox"/>		Video	Video File

Change the User Authentication of folder


In this management page, you can configure the privilege levels for each user, ex reading or rewriting files and folders in Personal Server. Three privilege modes are provided for each user:

- Non-access
The User is not allowed to access the folder
- Read-only
The user is allowed to read files only in this folder
- Read&write
The User is allowed to read and write files to or from this folder

You can also do an overall authority configuration for all users toward the folder. We provide 4 authority levels:

- Authentication Free Access
- No Access for all users
- Only Read access for all users
- Read/Write access for all users

Share - Folder - "Share" limits of authority

 **Share**

Folder Name:	Share
Folder Description:	Share to All

Change Description




Please set user's limit for this folder!

☐ Open Mode

☐ No access for all users

☐ Only Read access for all users

☐ Read/Write access for all users

 guest	<input type="radio"/> Non-access <input checked="" type="radio"/> Read only <input type="radio"/> Read&write
 all	<input type="radio"/> Non-access <input type="radio"/> Read only <input checked="" type="radio"/> Read&write
 power	<input type="radio"/> Non-access <input type="radio"/> Read only <input checked="" type="radio"/> Read&write

Apply Back

FTP

The Personal Server support FTP functionality for users to access and up/download files with FTP software.



FTP Configuration

Click FTP Configuration, to set up the configuration such as user limitation, Service port number, Length for timeout, and anonymous user restriction

Items	Meaning	How to...
Maximum Unit number	Maximum concurrently connected FTP users	Fill in a number from 1 to 5.
Port Number	Decide FTP Service port Number as your demand	Enter the FTP Port number A default port number 21 is configured if there is no specified number been configured. Note: Port 80 is not allowed to setup for it has been configured as the port for accessing the WEB-based management interface.
Timeout	The FTP time out length	Enter the length you want. A default 15Min is configured if there is no specified time been configured
Allow Anonymity	Allow anonymous user account to login.	Choose Yes to enable or no to disable

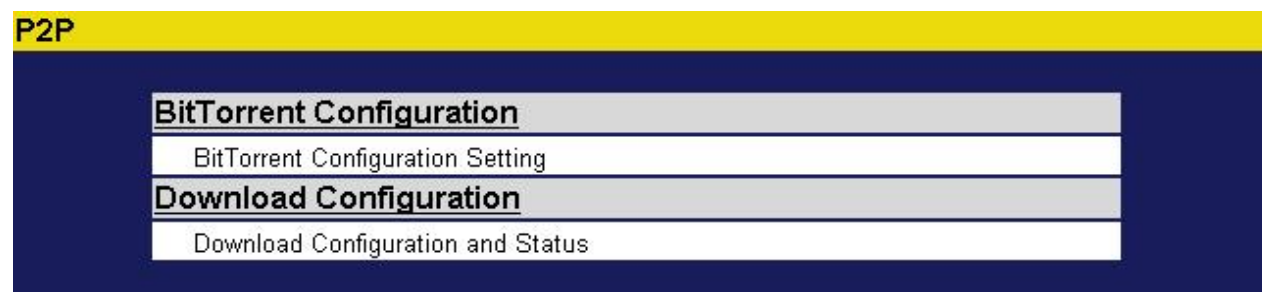
A screenshot of the "FTP Configuration" form. It has a yellow header bar with the text "FTP Configuration". Below the header, there are two notes: "1. The maximum number of unit is up to 5." and "2. The port number is between 1 and 65535." The form contains four input fields: "Maximum Unit Number:" with a value of 5, "Port Number:" with a value of 21, "Timeout:" with a value of 15 and a unit of "Minutes", and "Allow Anonymity:" with radio buttons for "Yes" and "No". At the bottom, there are three buttons: "Apply", "Cancel", and "Back".

Note: To add a new FTP account, please add a user in "user configuration" under the page "Share" then enable the privilege to access FTP.

P2P

The device provides you P2P downloading with embedded BitTorrent client. To process downloading, please refer to the following procedure:

1. Get a Torrent File: The BitTorrent download is triggered by Torrent files (formatted as “XXX.torrent”).
2. Locate those Torrent files in a folder within the Personal Server. (EX, Create a folder, which named “P2P”, in the device. Place those Torrent files in the P2P folder)
3. Create a folder in the Personal Server to place the data you are going to download. Please note that the folder should be within the folder that contains the Torrent files. (Ex Create a folder named “BT” in the “P2P” folder”
4. Start downloading. For detail configuration, please find the instructions below:



Note:

All users of this device are warned against illegal downloading of copyrighted materials. The P2P embedded functionality is provided for downloading authorized files only. Downloading or distribution of unauthorized materials may result in severe civil and criminal penalty. Users of this device are subject to the restrictions of the copyright laws and should accept all the consequences.

BitTorrent Configuration

The configuration of BitTorrent can be setup here, fill in the settings in each blank then press apply to activate. Please refer to the following instructions to configure:

1. **Enable BitTorrent:** Choose Yes to enable the BitTorrent download or choose No to disable.
2. **Download Folder:** Choose the folder that contains the folder where you place the Torrent files.
Note: To download successfully, please make sure that the torrent files and the folder for restoring downloaded data to be in the same folder. (Ex, if you place those Torrent files in folder "share", the folder "Multimedia" for placing downloaded data should be also in the folder "share".)
3. **BitTorrent Configuration File:** You can specify any name for the file. The file is for recording the download information, which helps to resume interrupted download.
Note: Please don't delete the file after downloading
4. **Max Active Torrent Number:** To set the numbers of Torrent files to be activated at the same time. A number within 10 is allowed.
5. **Scheduler:** Chick Yes to enable the scheduler. The scheduler is provided for users to set up the start/end time of BitTorrent functionality.
6. **Start:** Set the time to start BitTorrent download/upload.
7. **End:** Set the time to end BitTorrent download/upload.
(Ex you can configure the scheduler to start by "Everyday, Hour: 23, Minute: 0" and end by "Everyday, Hour: 6, Minute:0" to process BitTorrent download/upload from 11:00PM to 6:00AM)

P2P Configuration	
Notes: Basic Configuration of BitTorrent - 1. Configure file is used to record the download data when something happens. 2. The max active torrent number is 10.	
Enable BitTorrent:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Download Folder:	Share
BitTorrent Configuratin File:	Torrent
Max Active Torrent Number:	5
Scheduler:	<input checked="" type="radio"/> Yes <input type="radio"/> No
Start:	Everyday Hour: Minute:
End:	Everyday Hour: Minute:
Apply Cancel Back	

Download Configuration

This page is provided for users to enact a download task and also shows the downloading information. The explanations for each item is shown as following:

1. Sel: The check box for users to select the desired download task.
2. Torrent File: Names and status hyperlink for each Torrent file.
3. D/L (%): Downloaded percentage
4. Size (MB): The size of the data.
5. Start time: The time that download starts.
6. Rate (Down/UP): The download/upload speed.
7. Max Rate (Down/UP): The MAX download/upload speed.

P2P

Note: Start Time - Date and time to start downloading.

Downloading ...

Sel	Torrent File	D/L(%)	Size(MB)	Start Time	Rate(Down/Up)	MAX Rate(Down/Up)
No downloading files						

Waiting for downloading ...

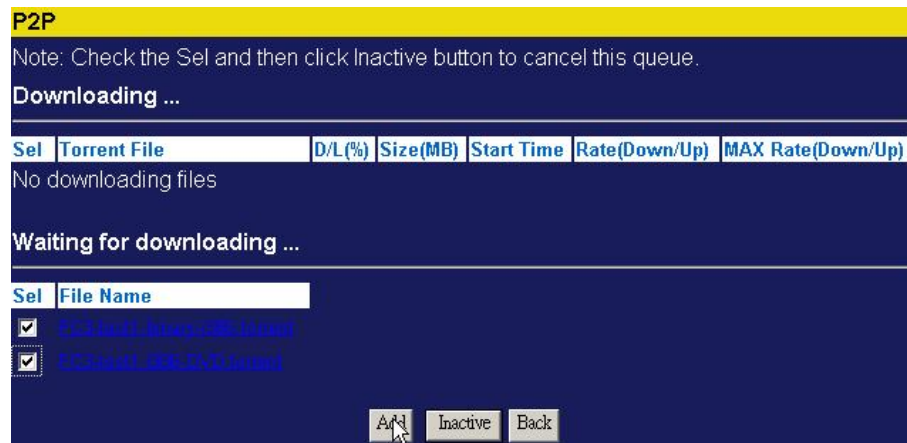
Sel	File Name
No queuing files	

AddInactiveBack

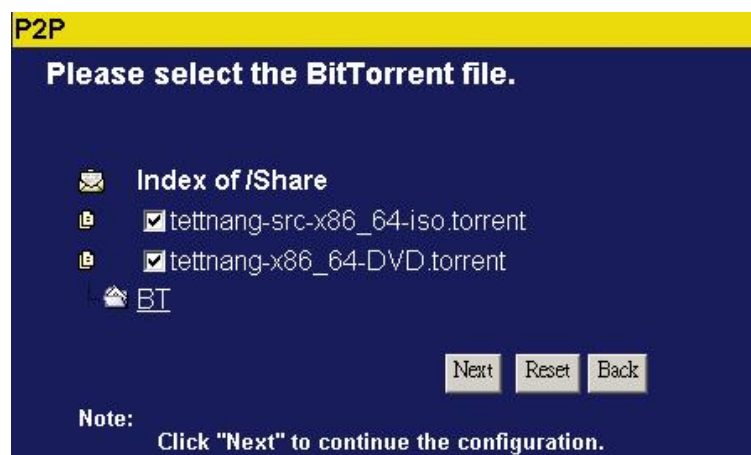
Note: Click "Add" to add a new download process.
Click "Inactive" to remove the process you select from the list.

To add new downloading tasks:

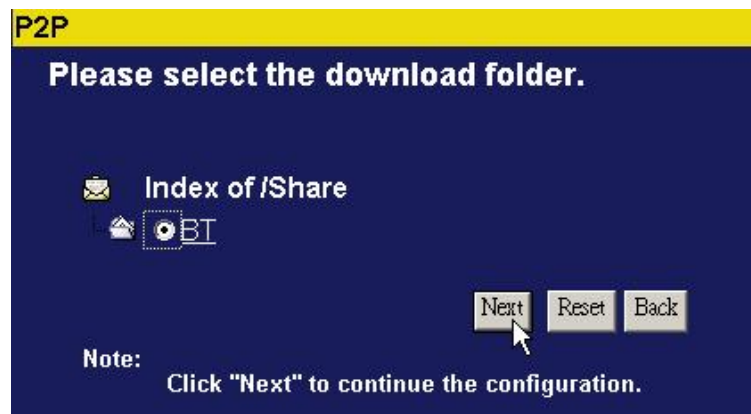
1. To add a new download task, place Torrent files in the folder you specified as the download folder. Select the files that waiting for download then click add.



2. Select the files for download then click next



3. Specify the folder for placing downloaded data then click next. Please verify that the folder should be within the folder you place Torrent files.



4. Check the download environments then click Apply to finish the procedures:

The meanings for each item is listed as follows:

Listen Port: The port number of the P2P program.

Time to Leave: The allowed time to process a download task. The task will be terminated as the time passed.

Max Peers Count: Setup the MAX Peers when proceeding up/download.

Min Peers Count: Setup the Min Peers when proceeding up/download.

Max Download Bandwidth: The MAX allowed download Bandwidth.

Max Upload Bandwidth: The MAX allowed upload Bandwidth.

(Note: A peer is a connection processing upload or download between nodes.)

Torrent Configuration

Notes: Download options are as follows -
1. The waiting period is the integer under 72 hours.
2. Max and min peer is between 1 and 10.
3. Max and min bandwidth for download is between 1 and 2097152 Kbps.

Listen Port:	<input type="text" value="2106"/>	
Time to Leave:	<input type="text" value="72"/>	Hours
Max Peers Count:	<input type="text" value="10"/>	
Min Peers Count:	<input type="text" value="1"/>	
Max Download Bandwidth:	<input type="text" value="128"/>	Kbps
Max Upload Bandwidth:	<input type="text" value="128"/>	Kbps

5. The proceeding task and the relative information will be shown on the downloading column. Select a file in the check box then click Inactive if you want to terminate a download task. You can also click on the hyperlink of the torrent file name to check the properties of the task.

P2P

Note: Move the cursor over the items to get the comment.

Downloading ...

Sel	Torrent File	D/L (%)	Size (MB)	Start Time	Rate (Down/Up)	MAX Rate (Down/Up)
<input type="checkbox"/>	tettnang-binary-x86_64-iso.torrent	0.00	2179	11/05/04 09:08:03	0.0000/0.0000	128/128

Waiting for downloading ...

Sel	File Name
<input type="checkbox"/>	tettnang-binary-x86_64-iso.torrent
<input type="checkbox"/>	tettnang-binary-x86_64-iso.torrent

Note: Click "Add" to add a new download process.
Click "Inactive" to remove the process you select from the list.

WEB Server

Administrator WEB Server:

The Administration port is the port for accessing the Web-based management interface.
As default, the Port 80 is configured as the Administrator WEB Server Port.

WEB Server:

The WEB server allows users to construct a Website by HTML format.

To activate the WEB server, click "Yes" to enable. Specify a port number from 1~65535.

"WEB Folder" is the location where you place your HTML files.

Note:

1. As default, the Port 80 is not allowed to setup for it has been configured as the port for accessing the Web-based management interface.
2. We also provide a Website template for you to build-up a Website and enjoy the WEB server properties easily. To use the template, access the CD we provide, copy the data in the folder "WEB Template". Paste those data in the folder that you configured as the "WEB Folder"

WEB Server Configuration	
Notes: Configuration of WEB Server - 1. Port number must be between 1 and 65535. 2. WEB folder is the location of all your HTML files. WEB server will start from "index.html", if it exists.	
Administrator WEB Server:	
Administration Port:	<input type="text" value="80"/>
WEB Server:	
Enable WEB Server:	<input checked="" type="radio"/> Yes <input type="radio"/> No
WEB Server Port:	<input type="text" value="8080"/>
WEB Folder:	<input type="text" value="WEB"/>
<input type="button" value="Apply"/> <input type="button" value="Cancel"/> <input type="button" value="Back"/>	

To access the Web Server:

The address for linking the WEB server is the IP address of the personal server with the port number added after by a colon. (Ex, Use 192.168.1.1:8080 when the IP address of the personal server is 192.168.1.1 and the port number of the web server is configured as 8080)

Note:

For WAN users to get access to the FTP or WEB server, you should link the personal server to a router with appropriate configuration. Please make sure that:

1. The NAT functionality is enabled in your router.
2. In the port-mapping session, the “Internal Host IP” should be configured as the IP address of this Personal Server and the value of “Port” should be correspond to the port number of the WEB server or FTP server you configured.

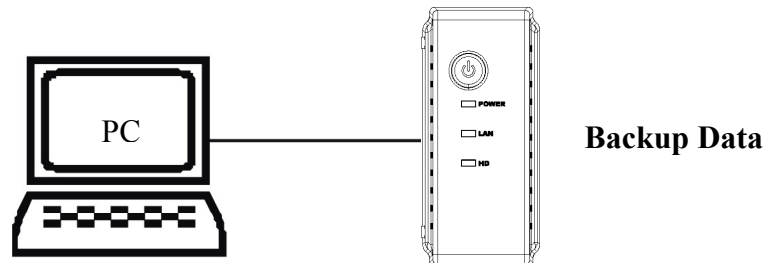
(Ex, If the IP address of your personal server is 10.10.7.251, the port number of your FTP is configured as 21 and the port for Web Server is as 8888, you should add or modify a port mapping record, set the Internal Host IP address as 10.10.7.251, the Port as 21. then add or modify another port mapping record, set the Internal Host IP address as 10.10.7.251 and the Port as 8888)

3. Before allowing the device to communicate with Internet, we strongly recommend users to add a Firewall device to secure your network from being invading.

Application

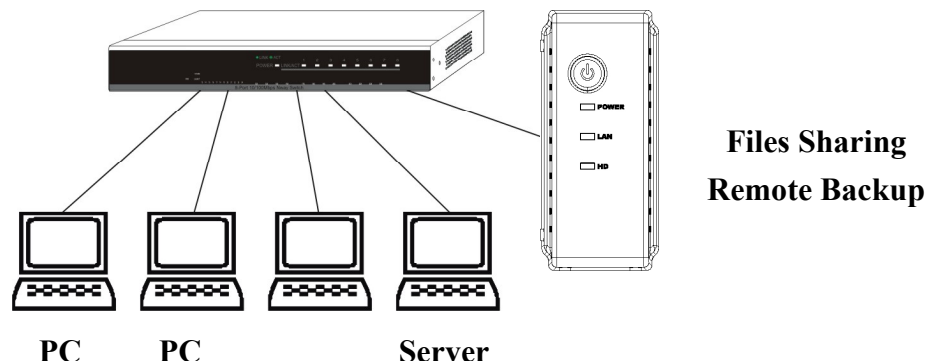
There are several applications for the Personal Server.

For one user or one single PC, you can backup your important files from your PC.



One User

For Multiple users, The Personal Server provides a convenient way for file sharing and backup by using "My Neighborhood" All you have to do is connecting the Personal Server with your switch, and you can enjoy the easy and reliable service of Personal Server.



Backup

For Windows 2000/XP Users, the OS provide an accessory system tool for data backup, "Backup". Please follow the steps as the reference to complete data backup,

1. Activate the programs: clicking start button, pointing Programs, pointing Accessory, pointing system tools, and clicking Backup.
2. Click "Schedule Jobs" tab, and Select date that you want to activate the Backup Job.
Click "Add Job" button
3. When The Wizard appears, Select "Create a new Job" and Click OK

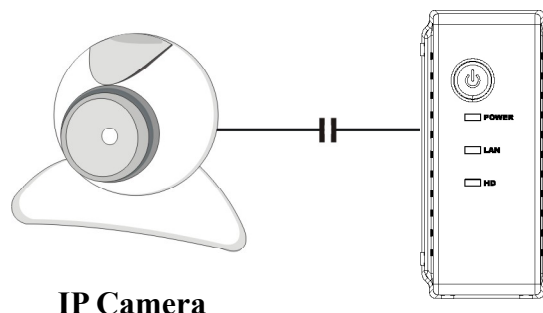


4. Select "Back up My Computer" to backup your whole system or "Back up Selected files, folders and Driver". If you want to backup C:\, select "Back up Selected files, folders and Driver"
5. If you want to backup one Drive, ex. C:\, select the drive by click the check box in front of the drive letter.
6. Decide the destination of backup file.
7. Type a name for this backup job and Click start.
8. Wait for the program to process the backup progress.



For some circumstances, The Personal Server's FTP function provides the possibility of remote backup.

For example, you have an IP camera provides FTP feature and want to transfer video data of IP camera back to the Personal Server to fulfill the needs of remote monitoring.



IP Camera

Remote Backup (FTP)

To use the FTP, please choose a FTP supported Browser, ex. IE 6.0. Type ftp://domain name or IP/ in Bower's address blank and press Enter. The Authentication Windows will appear for you to input username and Password.

You can find the username/password in configuration in the management web page "user configuration" under the web page "Share". Please make sure that the privilege to access FTP is enabled.

To use Personal Server as a FTP server without fixed IP or domain name, please setup your router's DDNS and Port mapping (Virtual Sever) first. As for the setting, please refer to the DDNS and Port mapping in your router's Manual.

Download

The Personal Server provides more convenience for P2P downloading. The Scheduler functionality allows users to set up the time for downloading hence enables users to avoid downloading files in bandwidth rush hours. Also, after giving a download command, users are allowed to download files without keeping your PC powered on.

WebServer

For users wish to share files via their website, the embedded Webserver provides a easier solution. Users don't need to worry about the limited size provided by ISP.

It will be even easier by using the website template we provide. With properly locate your files and data, it's just a snap to share your favorite photos, pictures and whatever you want to show your friends.

Trouble Shooting Guide

1. How to shut down the Personal Server properly?

Ans.

To shut down the System properly, press the Power button on the front panel for two seconds until Power LED blinks then go off.

2. The Quick Setup Wizard can't configure My Network setting.

Ans.

- ☐ Make sure that your RJ-45 cable is connected with the Personal Server and your PC/Switch.
- ☐ Check the LAN LED of Personal Server, and make sure that it's Green.
- ☐ Check the power of the Personal Server, PC/Switch and make sure that it's on.
- ☐ Check your PC's IP address, make sure that it has a static IP or connects with a router with DHCP Client. As for the setting, Please refer to the "IP Protocol Setup" Chapter.
- ☐ The system is down. Reboot the system with Web-based UI or press the Default Button to restore the factory default setting and reboot.

3. The Personal Server can't find my HD and the Home page of Web-based UI display that the "HD unable to use."

Ans.

There are some possibilities,

- ☐ The HD is broken. Please change another HD
- ☐ The HD jumper is not set as Master. Your HD jumper should be set to Master. Different Hard Disk has different jumper settings; please refer to your Hard Disk manual for more information.
- ☐ The HD is unformatted. Please format it with our HD Format tool in Administration.
- ☐ The partition format of HD is not EXT3, ex. NTFS. Please format it with the provided Format tool in Administration.

4. I use Personal Server as a Web/ FTP server, but the users that outside the LAN can't access it.

Ans.

To use Personal Server as a FTP server without fixed IP or domain name, please setup your DDNS and Port Mapping of router (IP Sharing) first. As for the setting, please refer to the DDNS and Port mapping in your router's Manual.

5. I can't access the Personal Server.

Ans.

- ☐ Check the LAN LED of Personal Server, and make sure that it's Green.
- ☐ The system is down. Reboot the system with Web-based UI or press the Default Button to restore the Factory default setting and reboot.
- ☐ When the concurrently connected users are over five, the system will block other users who want to access. Please check the Samba Users / FTP Users by clicking the "Click here for more information..." on the Web-based UI.

6. I can't access the Personal Server with the shortcuts created by Quick Setup Wizard.

Ans.

- ☐ Check answers in Question 5 first.
- ☐ You may change the IP Address of the personal server, you may create new shortcuts by:
 1. Key in \\(**IP address of Personal Server**) in URL then copy the shortcut in the URL to your desktop.
 2. Key in **http://**(**IP address of Personal Server**) in URL then copy the shortcut in the URL to your desktop.

7. I have accessed the HD, but I can't get access to the folders.

Ans.

- ☐ Verify you have the correct username and password.
- ☐ For Windows 95, 98, 98se users, please note that you should add a new user with the username of your operation system. Please get access to the management interface. Add a new user, which use the username the same with your operation system. Get access to the HD and double click a folder. Fill in the password to get access to the folder.
- ☐ If you have accessed to any folder in the HD and would like to use another set of username/ password for different authority, please log off your operation system and log on again.

8. There are unrecognizable characters as the file name.

Ans.

- ☐ If you are using the Samba mechanism (ex, My Neighborhood or the "Access my personal server" icon) to access the HD, please use the FTP to view the file. Those characters that can be recognized from FTP may not be recognized via Samba and vice versa. We recommend users to place those from FTP in the same folder. Use English characters can also prevent the problem.

Specification

Standard
<i>IEEE 802.3, IEEE 802.3u</i>
Support Protocol
<i>TCP/IP, HTTP, SMB, FTP</i>
Support concurrently connected Users
<i>Samba: Five Users / FTP: Five Users</i>
Interface
<i>One 10/100Mbps RJ-45 Ethernet port</i>
<i>One Default Button</i>
Connection speed
<i>10/100Mbps</i>
Support Hard Diskette
<i>One removable 3.5" external HD (ATA)</i>
Diagnostic LEDs
<i>Power: On/Boot or Shutdown (Green/Blinking)</i>
<i>LAN: Ethernet Act/Link (Green)</i>
<i>HD: Hard Disk data transfer (Amber/Blinking)</i>
Dimensions
<i>220L130W60H mm</i>
Operating Temperature
<i>Operating -- 0~40 °C; Storing -- -10~65 °C</i>
Power Supply
<i>DC 12V 3A External power adapter</i>
Certification
<i>FCC (CISPR_22), CE (EN55022), VCCI Class B</i>

DECLARATION OF CONFORMITY IN ACCORDANCE WITH THE RADIO AND TELECOMMUNICATIONS TERMINAL EQUIPMENT ACT (FTEG) AND DIRECTIVE 1999/5/EC (R & TTE DIRECTIVE)



= European Community Conformity Mark

We, Manufacturer/Importer

Longshine Technologie (Europe) GmbH
An der Strusbek 9
22926 Ahrensburg
Germany

Declare That The Product

LCS-8220
Network Hard Disk

Is In Conformity With:

Standards	Results
EN 55022 :1994+A1:1995+A2:1997, Class B	Pass
EN 61000-3-2:2000, Class A * (See note below)	Pass
EN 61000-3-3:1995+A1 2001	Pass
EN 55024:1998+A1: 2001 +A2: 2003	Pass
IEC 61000-4-2:2001	Pass
IEC 61000-4-3:2002+A1:2002	Pass
IEC 61000-4-4:1995+A1:2000+A2:2001	Pass
IEC 61000-4-5:2001	Pass
IEC 61000-4-6:2001	Pass
IEC 61000-4-8:2001	Pass
IEC 61000-4-11:2001	Pass

Identification of signatory empowered to bind the manufacturer or his authorized representative.

Signature
Manufacturer/Importer

LONGSHINE
Technologie (EUROPE) GmbH
Postfach 1450, D 22924 Ahrensburg
Tel. 04102 / 4010-0, Fax 04102 / 4010-9

Date: 08.07.2005

*Note *The power consumption of EUT is 4.430W, which is less than 75W and no limits apply
Therefore it is deemed to comply with En 61000-3-2:2000 without any testing.*